CONSOLIDATED CHECKLIST C6
Part 5 of 5 parts

Interim Status Standards for Owners and Operators of
Hazardous Waste Treatment, Storage, and Disposal Facilities
40 CFR Part 265, Subparts CC-DD, as of June 30, 1996
as published in the July 1, 1996 CFR

Notes: 1)
Consolidated Checklist C6 is divided into five separate documents/computer files solely for ease of handling its printed and electronic versions. Consolidated Checklist C6 remains one checklist; States must adopt all five portions simultaneously to correctly use this Consolidated Checklist. Note, the prenotes and endnotes associated with each part have been placed with the part to which they apply.

2) Subpart CC was added by the December 6, 1994, rule (59 FR 62896-62953; rule 154.1). This subpart was revised by rules published on May 19, 1995, (60 FR 26828-26829; rule 154.2); September 29, 1995, (60 FR 50426-50430; rule 154.3); November 13, 1995, (60 FR 56952-56954; rule 154.4); February 9, 1996, (4903-4916; rule 154.5); and June 5, 1996, (61 FR 28508-28510; rule 154.6). The applicable provisions of all these rules are included in Revision Checklist 154 which is a consolidation of all the rules associated with the organic air emission standards for tanks, surface impoundments, and container requirements. EPA strongly recommends States wait to adopt Revision Checklist 154 in its entirety (including all rules published through November 25, 1996) rather than adopting these rules as represented on this consolidated checklist.

	FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
	SUBPART CC - AIR EMISSION STANDARDS FOR TANKS, SURFACE IMPOUNDMENTS, AND CONTAINERS							
1	APPLICABILITY							
2	regulations in 265, Subpart CC apply to owners/operators of facilities that treat, store, or dispose of hazardous waste in tanks, surface impoundments, or containers except as in 265.1 & 265.1080(b)	154.1	265.1080(a)					
	requirements of 265, Subpart CC do not apply to the following waste management units at the facility:	154.1	265.1080(b)					

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waste management unit that holds hazardous waste placed in it before October 6, 1996 & to which none is added on or after this date	154.1 154.2 154.4 154.6	265.1080(b)(1)					
container with capacity $\leq$ 0.1 m^3	154.1	265.1080(b)(2)					
tank in which owner/ operator has stopped adding hazardous waste & has begun implementing or completed closure	154.1	265.1080(b)(3)					
surface impoundment in which owner/operator has stopped adding hazardous waste & has begun implementing or completed closure	154.1	265.1080(b)(4)					
waste management unit that is used solely for on-site treatment or storage of hazardous waste generated from remedial activities	154.1	265.1080(b)(5)					
waste management unit used solely for management of radioactive mixed waste	154.1	265.1080(b)(6)					
for owners/operators of facility subject to 265, Subpart CC & who have received a final RCRA permit prior to October 6, 1996, the following requirements apply:	154.1 154.2 154.4 154.6	265.1080(c)					

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requirements of 264, Subpart CC shall be incorporated in permit when permit is reissued	154.1	265.1080(c)(1)					
until date when permit is reissued or reviewed, owner/operator is subject to requirements of 265, Subpart CC	154.1	265.1080(c)(2)					
requirements of subpart CC, with exception of 265.1090(i), are	154.3	265.1080(d)					
administratively stayed for a tank or container used to manage	154.3	265.1080(d)(1)					
hazardous waste generated by organic peroxide manufacturing & associated laboratory	154.3	265.1080(d)(2)					
operations when owner/operator meets all of specified conditions	154.3	265.1080(d)(3)					
1 DEFINITIONS							
terms not defined in 265.1081 have the meaning given in the Act and Parts 260-266	154.1	265.1081					
"average volatile organic concentration" or "average VO concentration"	154.1	265.1081					
"cover"	154.1, 154.5	265.1081					
"enclosure"	154.5	265.1081					
"external floating roof"	154.1	265.1081					
"fixed roof"	154.1	265.1081					

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"floating membrane cover"	154.1	265.1081					
"floating roof"	154.1	265.1081					
"internal floating roof"	154.1	265.1081					
"liquid-mounted seal"	154.1	265.1081					
"maximum organic vapor pressure"	154.1	265.1081					
"no detectable organic emissions"	154.1	265.1081					
"point of waste origination"	154.1	265.1081					
		265.1081(1)					
		265.1081(2)					
"point of waste treatment"	154.1	265.1081					
"vapor-mounted seal"	154.1	265.1081					
"volatile organic concentration" or "VO concentration"	154.1	265.1081					
"waste determination"	154.1, 154.5	265.1081					
"waste stabilization process"	154.1, 154.5	265.1081					
1 SCHEDULE FOR IMPLEMENTATION OF AIR EMISSION STANDARDS							
owners/operators of facilities existing on October 6, 1996 & subject to 265, Subparts I, J, & K shall meet the following requirements:	154.1 154.2 154.4 154.6	265.1082(a)					
install & begin operation of control equipment by October 6, 1996, except as in 265.1082(a)(2)	154.1 154.2 154.4 154.6	265.1082(a)(1)					

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when control equipment cannot be installed & in operation by October 6, 1996, owner/operator shall:	154.1 154.2 154.4 154.6	265.1082(a)(2)					
install & begin operation as soon as possible, but no later than December 8, 1997	154.1	265.1082(a)(2)(i)					
prepare implementation plan which includes specified information	154.1	265.1082(a)(2)(ii)					
for facilities subject to recordkeeping requirements of 265.73, implementation schedule shall be entered in operating record no later than October 6, 1996	154.1 154.2 154.4 154.6	265.1082(a)(2)(iii)					
for facilities not subject to 265.73 requirements, implementation schedule shall be entered into permanent, readily available file located at the facility no later than October 6, 1996	154.1 154.2 154.4 154.6	265.1082(a)(2)(iv)					
facilities in existence on effective date of statutory or regulatory amendments under the Act that subject the facilities to 265, Subpart I, J, or K shall meet the following requirements:	154.1	265.1082(b)					

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install & operate all control equipment by effective date of amendment except as in 265.1082(b)(2)	154.1	265.1082(b)(1)					
when control equipment cannot be installed & begin operation by effective date of amendment, owner/ operator shall:	154.1	265.1082(b)(2)					
install & begin operation as soon as possible, but no later than 30 months after effective date of amendment	154.1	265.1082(b)(2)(i)					
for facilities subject to recordkeeping requirements of 265.73, enter & maintain implementation schedule in operating record no later than effective date of amendment, or	154.1	265.1082(b)(2)(ii)					
for facilities not subject to 265.73, enter & maintain implementation schedule in permanent, readily available file located at the facility no later than effective date of amendment	154.1	265.1082(b)(2)(iii)					

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3 Regional Administrator may extend implementation date for control equipment at a facility, on a case-by-case basis, to date later than December 8, 1997, under specified circumstances	154.1	265.1082(c)					

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1	STANDARDS: GENERAL							
	265.1083 applies to management of hazardous waste in tanks, surface impoundments, and containers subject to 265, Subpart CC	154.1	265.1083(a)					
	the owner or operator shall control air emissions from each waste management unit in accordance with 265.1085 through 265.1088, except as provided in 265.1083(c)	154.1	265.1083(b)					
	a waste management unit is exempted from standards specified in 265.1085 through 265.1088 if it meets either of the following conditions:	154.1	265.1083(c)					
	the average VO concentration of hazardous waste at the point of origination is less than 100 ppmw; how the average VO concentration shall be determined	154.1	265.1083(c)(1)					
	the organic content of the hazardous waste has been reduced by an organic destruction or removal process that achieves any one of the following conditions:	154.1	265.1083(c)(2)					

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a process that removes or destroys the organics to a level such that the average VO concentration of the hazardous waste at the point of waste treatment is less than the exit concentration limit established for the process; how the average VO concentration shall be determined	154.1	265.1083(c)(2)(i)					
a process that removes or destroys the organics to a level such that the organic reduction efficiency is equal to or greater than 95 percent and the average VO concentration of the hazardous waste at the point of waste treatment is less than 50 ppmw; how the organic reduction efficiency and the average VO concentration shall be determined	154.1	265.1083(c)(2)(ii)					

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a process that removes or destroys the organics to a level such that the actual organic mass removal rate is equal to or greater than the required organic mass removal rate established for the process; how the required organic mass removal rate and the actual organic mass removal rate shall be determined	154.1, 154.5	265.1083(c)(2)(iii)					
a biological process that destroys or degrades the organics contained in the hazardous waste such that either one of the following conditions is met:	154.1	265.1083(c)(2)(iv)					
the organic reduction efficiency for the process is equal to or greater than 95 percent and the organic biodegradation efficiency for the process is equal to or greater than 95 percent; how the organic reduction efficiency and the organic biodegradation efficiency shall be determined	154.1	265.1083(c)(2)(iv)(A)					

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the total actual organic mass biodegradation rate for all hazardous waste treated by the process is equal to or greater than the required organic mass removal rate; how the required organic mass removal rate and the actual organic mass biodegradation rate shall be determined	154.1	265.1083(c)(2)(iv)(B)					
a process that removes or destroys the organics contained in the hazardous waste and meets all of the conditions in 265.1083(c)(2)(v)(A)-(C)	154.1	265.1083(c)(2)(v)					
	154.1	265.1083(c)(2)(v)(A)					
	154.1	265.1083(c)(2)(v)(B)					
	154.1	265.1083(c)(2)(v)(C)					
a hazardous waste incinerator for which the owner or operator has either:	154.1	265.1083(c)(2)(vi)					
been issued a final permit, and designs and operates the unit in accordance with the requirements of 264, Subpart O, or	154.1	265.1083(c)(2)(vi)(A)					
has certified compliance with the interim status requirements of 265, Subpart O	154.1	265.1083(c)(2)(vi)(B)					
a boiler or industrial furnace for which the owner or operator has either:	154.1	265.1083(c)(2)(vii)					

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been issued a final permit, and designs and operates the unit in accordance with the requirements of 266, Subpart H, or	154.1	265.1083(c)(2)(vii)(A)					
has certified compliance with the interim status requirements of 266, Subpart H	154.1	265.1083(c)(2)(vii)(B)					
when a process is used to meet one of the sets of conditions specified in 265.1083(c)(2)(i)-(v), each material removed from or exiting the process that is a hazardous waste shall be managed in a unit in accordance with the requirements of 265.1083(b)	154.1, 154.5	265.1083(d)					
the Regional Administrator may perform, or request the owner or operator perform, a waste determination for a hazardous waste managed in a tank, surface impoundment, or container exempted from using air emission controls under the provisions of 265.1083 as follows:	154.1	265.1083(e)					

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the waste determination for average VO concentration of a hazardous waste at the point of waste origination shall be performed using direct measurement in accordance with the applicable requirements of 265.1084(a); how the waste determination shall be performed	154.1	265.1083(e)(1)					
if the owner or operator is requested to perform the waste determination, the Regional Administrator may elect to have an authorized representative observe the collection of hazardous waste samples used for the analysis	154.1	265.1083(e)(2)					
if the results of the waste determination performed or requested by the Regional Administrator do not agree with the results of a waste determination performed by the owner or operator, then the results of the of the waste determination performed under 265.1083(e)(1) shall be used to establish compliance	154.1	265.1083(e)(3)					

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	if averaging period of greater than 1 hour was used to determine the average VO concentration of a hazardous waste at the point of origination, the Regional Administrator can establish compliance by performing or requesting that the owner or operator perform a waste determination using direct measurement based on samples collected within a 1-hour period as specified in 265.1083(e)(4)(i)-(iii)	154.1	265.1083(e)(4)					
		154.1	265.1083(e)(4)(i)					
		154.1	265.1083(e)(4)(ii)					
		154.1	265.1083(e)(4)(iii)					
1	WASTE DETERMINATION PROCEDURES							
	waste determination procedures for average VO concentration at the point of origination	154.1	265.1084(a)					
	average VO concentration at the point of waste origination shall be determined for each hazardous waste placed in units exempted under the provisions of 265.1083(c)(1) from using air emission controls in accordance with 265.1085 through 265.1088	154.1	265.1084(a)(1)					

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when the facility owner or operator is the generator of the hazardous waste, he shall determine the average VO concentration using direct measurement as specified in 265.1084(a)(5) or knowledge of the waste as specified in 265.1084(a)(6) for each hazardous waste generated as follows:	154.1	265.1084(a)(2)					
when generated as part of a continuous process, the owner or operator shall:	154.1	265.1084(a)(2)(i)					
perform an initial waste determination of the average VO concentration of the waste stream before the first time any material is placed in a waste management unit and update the waste determination information at least once every 12 months thereafter	154.1	265.1084(a)(2)(i)(A)					
perform a new waste determination whenever changes to the source generating the waste stream are likely to cause the average VO concentration to increase to a level equal to or greater than the applicable 265.1083 VO concentration limits	154.1	265.1084(a)(2)(i)(B)					

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when the hazardous waste is generated as part of a batch process that is performed repeatedly but not necessarily continuously, the owner or operator shall:	154.1	265.1084(a)(2)(ii)					
perform an initial waste determination of the average VO concentration of one or more representative waste batches before the first time any of the batches is placed in a waste management unit and update the waste determination information at least once every 12 months thereafter	154.1	265.1084(a)(2)(ii)(A)					
perform a new waste determination whenever changes to the process generating the waste batches are likely to cause the average VO concentration to increase to a specified level	154.1	265.1084(a)(2)(ii)(B)					
when the hazardous waste is generated as part of a batch process that is not performed repeatedly, the owner or operator shall perform a waste determination of the VO concentration; the result of this waste determination is the average VO concentration	154.5	265.1084(a)(2)(iii)					

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when the facility owner/operator is not the generator of the hazardous waste, he shall determine the average VO concentration using direct measurement as specified 265.1084(a)(5) or knowledge of the waste as specified in 265.1084(a)(6) for each hazardous waste entering the facility as follows:	154.1	265.1084(a)(3)					
when the hazardous waste enters the facility as a continuous flow of material through a pipeline or other means, the owner or operator shall:	154.1	265.1084(a)(3)(i)					
perform an initial waste determination of the waste stream before the first time any material is placed in a waste management unit and update the waste determination information at least once every 12 months thereafter	154.1	265.1084(a)(3)(i)(A)					
perform a new waste determination whenever changes to the source generating the waste stream are likely to cause the average VO concentration to increase to a specified level	154.1	265.1084(a)(3)(i)(B)					

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when the hazardous waste enters the facility in a container, the owner or operator shall perform a waste determination for the material in each container	154.1	265.1084(a)(3)(ii)					
when the average VO concentration is less than 100 ppmw, but at any given time during the averaging period the VO concentration may be equal to or greater than 100 ppmw, the owner or operator shall prepare and enter in the facility operating record the following information:	154.1	265.1084(a)(4)					
maximum and minimum VO concentration values that occur during that averaging period	154.1	265.1084(a)(4)(i)					
operating conditions or circumstances under which the VO concentration will be equal to or greater than 100 ppmw	154.1	265.1084(a)(4)(ii)					
information and calculations used to determine the average VO concentration	154.1	265.1084(a)(4)(iii)					
procedure for using direct measurement to determine average VO concentration at the point of origination	154.1	265.1084(a)(5)					

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the owner or operator shall identify and record the point of waste origination; all samples shall be collected at this point	154.1	265.1084(a)(5)(i)					
the owner or operator shall designate and record the averaging period; this period shall not exceed 1 year; an initial waste determination shall be performed for each averaging period	154.1	265.1084(a)(5)(ii)					
the owner or operator shall identify each discrete quantity of material composing the hazardous waste represented by the averaging period; examples of discrete quantities	154.1	265.1084(a)(5)(iii)					
the VO concentration shall be measured for each discrete quantity of material using the following procedure:	154.1, 154.5	265.1084(a)(5)(iv)					

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a sufficient number of samples, but no less than four, shall be collected; all samples shall be collected within a 1-hour period, sufficient information shall be prepared and recorded to document waste quantity and operating conditions for the source or process generating the hazardous waste	154.1	265.1084(a)(5)(iv)(A)					
each sample shall be collected in accordance with "Test Methods for Evaluating Solid Waste", EPA Publication No. SW-846	154.1	265.1084(a)(5)(iv)(B)					
each sample shall be prepared and analyzed in accordance with Method 25D in 40 CFR 60, appendix A	154.1	265.1084(a)(5)(iv)(C)					
the measured VO concentration shall be determined using the results for all samples analyzed in accordance with 265.1084(a)(5)(iv)(C) and the specified equation	154.1	265.1084(a)(5)(iv)(D)					
the average VO concentration shall be determined using the following procedure:	154.1	265.1084(a)(5)(v)					

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when the facility owner or operator is the generator of the hazardous waste, a sufficient number of VO concentration measurements shall be performed to represent a complete range of hazardous waste organic compositions and quantities that occur during the entire averaging period for each process operating mode	154.1	265.1084(a)(5)(v)(A)					
when the facility owner or operator is not the generator of the hazardous waste, a sufficient number of VO concentration measurements shall be performed to represent a complete range of hazardous waste organic compositions and quantities that occur in the hazardous waste as received at the facility during the averaging period	154.1	265.1084(a)(5)(v)(B)					
the average VO concentration at the point of origination shall be calculated using the results of all VO measurements in accordance with 265.1084(a)(5)(iv) and the specified equation	154.1, 154.5	265.1084(a)(5)(v)(C)					

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procedure for using knowledge of the waste to determine the average VO concentration at the point of origination	154.1	265.1084(a)(6)					
the owner or operator shall identify and record the point of waste origination; all information used to determine the average VO concentration shall be based on the hazardous waste composition at this point	154.1	265.1084(a)(6)(i)					
the owner or operator shall designate and record the averaging period; this period shall not exceed 1 year; an initial waste determination shall be performed for each averaging period	154.1	265.1084(a)(6)(ii)					
the owner or operator shall prepare and record sufficient information that documents the average VO concentration for the hazardous waste; examples of information that may be used	154.1	265.1084(a)(6)(iii)					

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if test data other than the measurements performed in accordance with 265.1084(a)(5)(iv) are used as the basis for knowledge of the waste, the owner or operator shall document the test method, sampling protocol, and the means by which sampling and analytical variability are accounted for in the determination; example provided	154.1	265.1084(a)(6)(iv)					
waste determination procedures for treated hazardous waste	154.1	265.1084(b)					
applicable waste determinations shall be performed for each treated hazardous waste placed in units exempted under 265.1083(c)(2) from using air emission controls in accordance with 265.1085 through 265.1088	154.1	265.1084(b)(1)					
waste determination for each discrete quantity of treated waste shall be performed as follows:	154.1	265.1084(b)(2)					
when the waste is treated by a continuous process, the owner or operator shall:	154.1	265.1084(b)(2)(i)					

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perform an initial waste determination for the treated waste stream before the first time any material is placed in a waste management unit and update the waste determination information at least once every 12 months thereafter	154.1	265.1084(b)(2)(i)(A)					
perform a new waste determination whenever changes to the hazardous waste stream are likely to cause the characteristics of the waste at the point of waste treatment to change to levels that fail to achieve the applicable conditions specified in 265.1083(c)(2)	154.1	265.1084(b)(2)(i)(B)					
when the hazardous waste is treated by a batch process that is performed repeatedly but not necessarily continuously, the owner or operator shall:	154.1	265.1084(b)(2)(ii)					
perform an initial waste determination for the treated hazardous waste in one or more representative waste batches treated by the process, and update the waste determination information at least once every 12 months thereafter	154.1	265.1084(b)(2)(ii)(A)					

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perform a new waste determination whenever changes to the hazardous waste treated by the process are likely to cause the characteristics of the hazardous waste at the point of waste treatment to change to levels that fail to achieve the applicable conditions specified in 265.1083(c)(2)	154.1	265.1084(b)(2)(ii)(B)					
when the hazardous waste is treated by a batch process that is not performed repeatedly, the owner or operator shall perform a waste determination; the result of this waste determination is the average VO concentration	154.5	265.1084(b)(2)(iii)					
the owner or operator shall designate and record the specific provision in 265.1083(c)(2) for which the waste determination is being performed; the waste determination shall be performed as specified in 265.1084(b)(4)-(10)	154.1	265.1084(b)(3)					
procedure to determine the average VO concentration of a hazardous waste at the point of waste treatment	154.1	265.1084(b)(4)					

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the owner or operator shall identify and record the point of waste treatment; all samples shall be collected at this point	154.1	265.1084(b)(4)(i)					
the owner or operator shall designate and record the averaging period; this period shall not exceed 1 year; an initial waste determination shall be performed for each averaging period	154.1	265.1084(b)(4)(ii)					
the owner or operator shall identify each discrete quantity of material composing the hazardous waste represented by the averaging period	154.1	265.1084(b)(4)(iii)					
the VO concentration shall be measured for each discrete quantity of material using the following procedure:	154.1, 154.5	265.1084(b)(4)(iv)					
a sufficient number of samples, but no less than four, shall be collected; all samples shall be collected within a 1-hour period; sufficient information shall be prepared and recorded to document waste quantity and operating conditions for the process treating the hazardous waste	154.1	265.1084(b)(4)(iv)(A)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
each sample shall be collected in accordance with "Test Methods for Evaluating Solid Waste," EPA Publication No. SW-846	154.1	265.1084(b)(4)(iv)(B)					
each sample shall be prepared and analyzed in accordance with Method 25D in 40 CFR 60, appendix A	154.1	265.1084(b)(4)(iv)(C)					
the measured VO concentration shall be determined using the results for all samples analyzed in accordance with 265.1084(b)(4)(iv)(C) and the specified equation	154.1	265.1084(b)(4)(iv)(D)					
the average VO concentration of hazardous waste at point of waste treatment shall be determined using the following procedure:	154.1	265.1084(b)(4)(v)					
when the facility owner or operator is the generator of the hazardous waste, a sufficient number of VO concentration measurements shall be performed to represent a complete range of organic compositions and quantities treated by the process during the averaging period	154.1	265.1084(b)(4)(v)(A)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
the average VO concentration at the point of treatment shall be calculated using the results of all VO measurements performed in accordance with 265.1084(b)(4)(iv) and the specified equation	154.1	265.1084(b)(4)(v)(B)					
procedure to determine the exit concentration limit for a treated hazardous waste	154.1	265.1084(b)(5)					
point of origination for each hazardous waste treated by the process at the same time shall be identified	154.1	265.1084(b)(5)(i)					
if a single hazardous waste stream is identified, then the exit concentration limit shall be 100 ppmw	154.1	265.1084(b)(5)(ii)					
if more than one hazardous waste stream is identified, then the VO concentration of each waste stream shall be determined; the exit concentration limit shall be calculated using the results determined for each waste stream and the specified equation	154.1	265.1084(b)(5)(iii)					
procedure to determine the organic reduction efficiency for a treated hazardous waste	154.1	265.1084(b)(6)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
organic reduction efficiency shall be determined based on results for a minimum of 3 consecutive runs; sampling time for each run shall be 1 hour	154.1	265.1084(b)(6)(i)					
the point of each hazardous waste stream entering and exiting the process that is to be included in the calculation shall be identified	154.1	265.1084(b)(6)(ii)					
for each run, information using the following procedures shall be determined:	154.1	265.1084(b)(6)(iii)					
mass quantity of each hazardous waste stream entering the process and the mass quantity of each hazardous waste exiting the process	154.1	265.1084(b)(6)(iii)(A)					
VO concentration for each hazardous waste stream entering the process during the run shall be measured as per 265.1084(a)(5)(iv); VO concentration for each hazardous waste exiting the process during the run shall be determined as per 265.1084(b)(4)(iv); samples shall be collected as follows:	154.1, 154.5	265.1084(b)(6)(iii)(B)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
for a continuous process, the samples of the hazardous waste entering and exiting the process shall be collected concurrently	154.1	265.1084(b)(6)(iii)(B)(*1*)					
for a batch process, samples of the hazardous waste are collected at the time the waste is placed in the process; for exiting hazardous waste, as soon as practicable after the process stops operation or the final treatment cycle ends	154.1	265.1084(b)(6)(iii)(B)(*2*)					
the waste volatile organic mass flow entering and exiting the process shall be calculated using the results determined in accordance with 265.1084(b)(6)(iii) and the specified equation	154.1, 154.5	265.1084(b)(6)(iv)					
the organic reduction efficiency of the process shall be calculated using the results determined in accordance with 265.1084(b)(6)(iv) and the specified equation	154.1	265.1084(b)(6)(v)					
procedure to determine the organic biodegradation efficiency for a treated hazardous waste	154.1	265.1084(b)(7)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
the fraction of organics biodegraded shall be determined using the procedure specified in 40 CFR 63, appendix C	154.1	265.1084(b)(7)(i)					
organic biodegradation efficiency of the process shall be calculated using the specified equation	154.1	265.1084(b)(7)(ii)					
procedure to determine the required organic mass removal rate for a treated hazardous waste	154.1	265.1084(b)(8)					
point of origination for each hazardous waste treated by the process at the same time is identified	154.1	265.1084(b)(8)(i)					
the VO concentration of each hazardous waste stream identified at the point of origination shall be determined in accordance with 265.1084(a)	154.1	265.1084(b)(8)(ii)					
for each individual hazardous waste stream that has a volatile organic concentration equal to or greater than 100 ppmw at the point of origination, the average volumetric flow rate and the density of the hazardous waste stream shall be determined	154.1	265.1084(b)(8)(iii)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
the required organic mass removal rate for each hazardous waste shall be calculated using the results determined for each hazardous waste stream in accordance with 265.1084(b)(8)(ii) & (iii) and the specified equation	154.1	265.1084(b)(8)(iv)					
procedure to determine the actual organic mass removal rate for a treated hazardous waste	154.1	265.1084(b)(9)					
the actual organic mass removal rate shall be determined based on results for a minimum of 3 consecutive runs; sampling time for each run shall be 1 hour	154.1	265.1084(b)(9)(i)					
the waste volatile organic mass flow entering and exiting the process shall be determined in accordance with 265.1084(b)(6)(iv)	154.1	265.1084(b)(9)(ii)					
actual organic mass removal rate shall be calculated by using the results determined in accordance with 265.1084(b)(9)(ii) and the specified equation	154.1	265.1084(b)(9)(iii)					
procedure to determine the actual organic mass biodegradation rate for a treated hazardous waste	154.1	265.1084(b)(10)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
the actual organic mass biodegradation rate shall be determined based on results for a minimum of 3 consecutive runs; sampling time for each run shall be 1 hour	154.1	265.1084(b)(10)(i)					
the waste organic mass flow entering the process shall be determined in accordance with 265.1084(b)(6)(iv)	154.1	265.1084(b)(10)(ii)					
the fraction of organic biodegraded shall be determined using the procedure specified in 40 CFR 63, appendix C	154.1	265.1084(b)(10)(iii)					
the actual organic mass biodegradation rate shall be calculated using the mass flow rates and the fraction of organic biodegraded determined in accordance with 265.1084(b)(10)(ii)&(iii) and the specified equation	154.1	265.1084(b)(10)(iv)					
procedure to determine the maximum organic vapor pressure of a hazardous waste in a tank	154.1	265.1084(c)					
maximum organic vapor pressure shall be determined for each hazardous waste placed in a tank in accordance with air emissions controls specified in 265.1085(c)	154.1	265.1084(c)(1)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
direct measurement as specified in 265.1084(c)(3) or knowledge of the waste as specified by 265.1084(c)(4) shall be used to determine the maximum organic vapor pressure representative of the hazardous waste composition stored or treated in the tank	154.1	265.1084(c)(2)					
to determine the maximum organic vapor pressure by direct measurement, the following procedure shall be used:	154.1	265.1084(c)(3)					
representative samples of waste contained in the tank shall be collected; sampling shall be conducted in accordance with "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW-846	154.1, 154.5	265.1084(c)(3)(i)					
any appropriate one of the following methods may be used to analyze samples and compute the maximum organic vapor pressure:	154.1	265.1084(c)(3)(ii)					
Method 25E in 40 CFR part 60, appendix A	154.1	265.1084(c)(3)(ii)(A)					
methods described in API Publication 2517, incorporated by reference at 260.11	154.1	265.1084(c)(3)(ii)(B)					

	FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
	methods obtained from standard reference texts	154.1	265.1084(c)(3)(ii)(C)					
	ASTM Method 2879-92, incorporated by reference at 260.11	154.1	265.1084(c)(3)(ii)(D)					
	any other method approved by the Regional Administrator	154.1	265.1084(c)(3)(ii)(E)					
	to determine the maximum organic vapor pressure of the hazardous waste by knowledge, sufficient information shall be prepared and recorded that documents the maximum organic vapor pressure of the hazardous waste in the tank; examples of information that may be used are provided	154.1	265.1084(c)(4)					
1	STANDARDS: TANKS							
	265.1085 applies to owners and operators of tanks with the exception of the following:	154.1	265.1085(a)					
	a tank in which all hazardous waste entering the tank meets the conditions specified in 265.1083(c), or	154.1	265.1085(a)(1)					
	a tank used for the biological treatment of hazardous waste in accordance with 265.1083(c)(2)(iv)	154.1	265.1085(a)(2)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
hazardous waste shall be placed in one of the following tanks:	154.1	265.1085(b)					
a tank equipped with a cover that is vented through a closed-vent system, as specified	154.1	265.1085(b)(1)					
a tank equipped with a fixed roof and internal floating roof, as specified	154.1	265.1085(b)(2)					
a tank equipped with an external floating roof, as specified	154.1	265.1085(b)(3)					
a pressure tank designed to operate as a closed system, as specified; how a unit must operate to be considered a pressure tank under subpart CC	154.1, 154.5	265.1085(b)(4)					
as an alternative to complying with 265.1085(b), hazardous waste may be placed in a tank equipped with a cover meeting the requirements specified in 265.1085(c)(2), when the hazardous waste is determined to meet the conditions specified in 265.1085(c)(1)	154.1	265.1085(c)					
	154.5	265.1085(c)(1)					
		265.1085(c)(1)(i)					
		265.1085(c)(1)(ii)					
		265.1085(c)(1)(iii)					
		265.1085(c)(1)(iv)					
		265.1085(c)(1)(iv)(A)					
		265.1085(c)(1)(iv)(B)					
	154.1, 154.5	265.1085(c)(1)(iv)(C)					
		265.1085(c)(2)					
	154.5	265.1085(c)(2)(i)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
		265.1085(c)(2)(ii)					
		265.1085(c)(2)(iii)					
to comply with 265.1085(b)(1), the owner or operator shall design, install, operate, and maintain a cover that vents the organic vapors through a closed-vent system connected to a control device	154.1	265.1085(d)					
the cover shall be designed and operated to meet the following requirements:	154.1	265.1085(d)(1)					
cover and all cover openings designed to operate with no detectable organic emissions when all cover openings are secured in a closed, sealed position	154.1	265.1085(d)(1)(i)					
cover opening shall be secured in the closed, sealed position at all times that hazardous waste is in the tank, except as 265.1085(f) specifies	154.1	265.1085(d)(1)(ii)					
the closed-vent system and control device shall be designed and operated in accordance with 265.1088	154.1	265.1085(d)(2)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
the owner or operator shall install, operate, and maintain enclosed pipes or other closed systems for the transfer of hazardous waste; what EPA considers a drain system	154.1	265.1085(e)					
transfer all hazardous wastes to the tank from another tank, surface impoundment, or container except those hazardous wastes meeting the conditions in 265.1083(c)	154.1	265.1085(e)(1)					
transfer all hazardous wastes from the tank to another tank, surface impoundment, or container except those hazardous wastes meeting the conditions in 265.1083(c)	154.1	265.1085(e)(2)					
each cover opening shall be secured in a closed, sealed position at all times except when it is necessary to use the cover opening to:	154.1	265.1085(f)					
add, remove, inspect, or sample the material in the tank,	154.1	265.1085(f)(1)					
inspect, maintain, repair, or replace equipment located inside the tank, or	154.1	265.1085(f)(2)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
vent gases or vapors from the tank to a closed-vent system connected to a control device designed and operated in accordance with 265.1088	154.1	265.1085(f)(3)					
one or more safety devices which vent directly to the atmosphere may be used on the tank, cover, closed-vent system, or control device provided each device meets all of the conditions specified at 265.1085(g)(1)&(2)	154.1	265.1085(g)					
	154.1	265.1085(g)(1)					
	154.1	265.1085(g)(2)					
1 STANDARDS: SURFACE IMPOUNDMENTS							
265.1086 applies to owners and operators of surface impoundments, except the following:	154.1	265.1086(a)					
a surface impoundment in which all hazardous waste entering the surface impoundment meets the conditions specified in 265.1083(c), or	154.1	265.1086(a)(1)					
a surface impoundment used for the biological treatment of hazardous waste in accordance with 265.1083(c)(2)(iv)	154.1	265.1086(a)(2)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
the hazardous waste shall be placed into a surface impoundment equipped with a cover that is vented through a closed-vent system to a control device meeting the requirements specified in 265.1086(d)	154.1	265.1086(b)					
as an alternative to complying with 265.1086(b), hazardous waste may be placed in a surface impoundment equipped with a floating membrane cover meeting the requirements of 265.1086(e) when the hazardous waste is determined to meet all of the conditions specified at 265.1086(c)(1)-(3)	154.1	265.1086(c)					
	154.1	265.1086(c)(1)					
	154.1	265.1086(c)(2)					
	154.1	265.1086(c)(3)					
to comply with 265.1086(b), the owner or operator shall design, install, operate, and maintain a cover that vents the organic vapors through a closed-vent system connected to a control device	154.1, 154.5	265.1086(d)					
the cover shall be designed, installed, operated, and maintained to meet the following requirements:	154.1	265.1086(d)(1)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
cover and all cover openings designed to operate with no detectable organic emissions when all cover openings are secured in a closed, sealed position	154.1	265.1086(d)(1)(i)					
each cover opening shall be secured in the closed, sealed position at all times waste is in the impoundment, except as 265.1086(g) provides	154.1	265.1086(d)(1)(ii)					
the closed-vent system and control device shall be designed and operated in accordance with 265.1088	154.1	265.1086(d)(1)(iii)					
to comply with 265.1086(c), the owner or operator shall designed, install, operate, and maintain a floating membrane cover that meets all the following requirements:	154.1	265.1086(e)					
the floating membrane cover shall be designed, installed, and operated such that the entire surface area of the hazardous waste is enclosed by the cover and that any air spaces underneath the cover are not vented to the atmosphere except as 265.1086(h) provides	154.1	265.1086(e)(1)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
the floating membrane cover and all cover openings shall be designed to operate with no detectable organic emissions when all openings are secured in a closed, sealed position	154.1	265.1086(e)(2)					
each cover opening shall be secured in a closed, sealed position at all times when hazardous waste is in the impoundment, except as 265.1086(g)(1)-(3) provide	154.1	265.1086(e)(3)					
the synthetic membrane cover shall be either:	154.1	265.1086(e)(4)					
high density polyethylene with a thickness no less than 2.5 mm, or	154.1	265.1086(e)(4)(i)					
a material or composite of different materials with the properties specified at 265.1086(e)(4)(ii)(A)&(B)	154.1	265.1086(e)(4)(ii)					
	154.1	265.1086(e)(4)(ii)(A)					
	154.1	265.1086(e)(4)(ii)(B)					
the owner or operator shall install, operate, and maintain enclosed pipes or other closed systems for the transfer of hazardous waste, as 265.1086(f)(1)&(2) describe; what EPA considers a closed system	154.1	265.1086(f)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
transfer all hazardous wastes to the surface impoundment from another tank, surface impoundment, or container except those hazardous wastes meeting the conditions of 265.1083(c)	154.1	265.1086(f)(1)					
transfer all hazardous wastes from the surface impoundment to another tank, surface impoundment, or container except those hazardous wastes meeting the conditions in 265.1083(c)	154.1	265.1086(f)(2)					
each cover opening shall be secured in a closed, sealed position at all times that hazardous waste is in the impoundment, except when it is necessary to use the cover opening to:	154.1	265.1086(g)					
add, remove, inspect, or sample the material in the surface impoundment	154.1	265.1086(g)(1)					
inspect, maintain, repair, or replace equipment located underneath the cover	154.1	265.1086(g)(2)					
remove treatment residues from the surface impoundment, or	154.1	265.1086(g)(3)					

	FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
	vent gases or vapors from the surface impoundment to a closed-vent system connected to a control device designed and operated in accordance with 265.1088	154.1	265.1086(g)(4)					
	one or more safety devices that vent directly to the atmosphere may be installed on the cover, closed-vent system, or control device provided each device meets all of the conditions specified at 265.1086(h)(1)&(2)	154.1	265.1086(h)					
		154.1	265.1086(h)(1)					
		154.1	265.1086(h)(2)					
1	STANDARDS: CONTAINERS							
	265.1087 applies to the owners and operators of containers having design capacities greater than 0.1 m^3 except for a container in which all the hazardous waste entering the container meets the conditions specified in 265.1083(c)	154.1	265.1087(a)					
	hazardous waste in containers shall be managed using the following procedures:	154.1	265.1087(b)					
	hazardous waste shall be placed in one of the following containers except when a container is used for hazardous waste treatment in accordance with 265.1087(b)(2):	154.1, 154.5	265.1087(b)(1)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
a container that is equipped with a cover which operates with no detectable organic emissions when all container openings are secured in a closed, sealed position; each opening must be tested for leaks in accordance with Method 21 in 40 CFR Part 60, appendix A; if a leak is detected and cannot be repaired immediately, the hazardous waste shall be removed and the container shall not be used to meet the requirements of 265.1087(b) until the leak is repaired and the container retested	154.1	265.1087(b)(1)(i)					
a container having a design capacity less than or equal to 0.46 m^3 that is equipped with a cover and complies with all applicable DOT regulations under 49 CFR 178	154.1	265.1087(b)(1)(ii)					
a container that is managed in accordance with 49 CFR 178 is not subject to the exceptions to 49 CFR Part 178, except as noted at 265.1087(b)(1)(ii)(B)	154.1	265.1087(b)(1)(ii)(A)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
a lab pack that is managed in accordance with 49 CFR 178 may comply with the exceptions for combination packagings specified in 49 CFR 173.12(b)	154.1	265.1087(b)(1)(ii)(B)					
a container that is attached to or forms a part of any truck, trailer, or railcar and that has been demonstrated within the preceding 12 months to be organic vapor tight; what it means for the container to be vapor tight	154.1	265.1087(b)(1)(iii)					
hazardous waste treated in a container by either a waste stabilization process, any process that requires the addition of heat to the waste, or any process that produces an exothermic reaction shall meet the following requirements:	154.1	265.1087(b)(2)					
whenever the container is opened during the treatment process, the container shall be located inside an enclosure that is vented through a closed-vent system to a control device	154.1	265.1087(b)(2)(i)					
the enclosure is designed and operated in accordance with the following requirements:	154.1	265.1087(b)(2)(ii)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
there shall be sufficient airflow to capture organic vapors and vent the vapors through the closed-vent system to the control device	154.1	265.1087(b)(2)(ii)(A)					
the enclosure may have permanent or temporary openings, for the reasons specified	154.1, 154.5	265.1087(b)(2)(ii)(B)					
the enclosure shall be designed and operated in accordance with criteria for a permanent enclosure in "Procedure T" in Appendix B of 40 CFR 52.741	154.5	265.1087(b)(2)(ii)(C)					
the closed-vent system and control device shall be designed and operated in accordance with 265.1088	154.1	265.1087(b)(2)(iii)					
transfer of waste into or from a container must minimize waste exposure to the atmosphere; examples of container loading procedures	154.1, 154.5	265.1087(b)(3)					
		265.1087(b)(3)(i)					
		265.1087(b)(3)(i)(A)					
		265.1087(b)(3)(i)(B)					
removed	154.1, 154.5	265.1087(b)(3)(i)(C)					
removed	154.1, 154.5	265.1087(b)(3)(ii)					

	FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
	each container opening shall be secured in a closed, sealed position at all times except when it is necessary to have it open during procedures to:	154.1, 154.5	265.1087(c)					
	add, remove, inspect, or sample the material in the container;	154.1	265.1087(c)(1)					
	inspect, maintain, repair, or replace equipment located inside the container; or	154.1	265.1087(c)(2)					
	vent gases or vapors from a cover located over or enclosing an open container to a closed-vent system connected to a control device designed and operated in accordance with 265.1088	154.1	265.1087(c)(3)					
	one or more safety devices which vent directly to the atmosphere may be used on the container, cover, enclosure, closed-vent system, or control device provided each device meets all of the conditions specified at 265.1087(d)(1)&(2)	154.1	265.1087(d)					
		154.1	265.1087(d)(1)					
		154.1	265.1087(d)(2)					
1	STANDARDS: CLOSED-VENT SYSTEMS AND CONTROL DEVICES							
	265.1088 applies to each closed-vent system & control device installed & operated to control air emissions	154.1	265.1088(a)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
closed-vent system shall meet following requirements:	154.1	265.1088(b)					
route gases, vapors, & fumes to control device that meets requirements in 265.1088(c)	154.1	265.1088(b)(1)					
designed & operated in accordance with 265.1033(j)	154.1	265.1088(b)(2)					
if the closed-vent system contains one or more bypass devices, the owner or operator shall meet the following requirements:	154.1	265.1088(b)(3)					
for each bypass device except as provided in 265.1088(b)(3)(ii), the owner or operator shall either:	154.1	265.1088(b)(3)(i)					
install, calibrate, maintain, and operate a flow indicator at the inlet as specified, or	154.1	265.1088(b)(3)(i)(A)					
secure a valve installed at the inlet to the bypass device in the closed position using a car-seal or lock-and-key type configuration; visual inspection of seal or closure mechanism at least once per month	154.1	265.1088(b)(3)(i)(B)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
low leg drains, high point bleeds, analyzer vents, open-ended valves or lines, and safety devices are not subject to the requirements in 265.1088(b)(3)(i)	154.1	265.1088(b)(3)(ii)					
control device shall meet the following requirements:	154.1	265.1088(c)					
control device shall be one of following devices:	154.1	265.1088(c)(1)					
control device designed & operated to reduce by at least 95% total organic content of inlet vapor stream	154.1	265.1088(c)(1)(i)					
enclosed combustion device designed & operated in accordance with 265.1033(c)	154.1	265.1088(c)(1)(ii)					
flare designed & operated in accordance with 265.1033(d)	154.1	265.1088(c)(1)(iii)					
the control device shall be operating at all times when gases, vapors, or fumes are vented through the closed-vent system to the control device	154.1	265.1088(c)(2)					
owner/operator using carbon adsorption system shall operate & maintain control device in accordance with following requirements:	154.1	265.1088(c)(3)					

	FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
	following initial startup, all activated carbon shall be replaced with fresh carbon regularly in accordance with 265.1033(g) or (h)	154.1	265.1088(c)(3)(i)					
4	all carbon that is hazardous waste and removed from the control device shall be managed in accordance with 265.1033(m)	154.1, 154.5	265.1088(c)(3)(ii)					
	owner/operator using control device other than a thermal vapor incinerator, flare, boiler, process heater, condenser, or carbon adsorption system shall operate & maintain in accordance with 265.1033(i)	154.1	265.1088(c)(4)					
	demonstrate that control device achieves performance requirements of 265.1088(c)(1) as follows:	154.1	265.1088(c)(5)					
	demonstration using performance test as in 265.1088(c)(5)(iii) or design analysis as in 265.1088(c)(5)(iv) for each control device except for following:	154.1	265.1088(c)(5)(i)					
	a flare	154.1	265.1088(c)(5)(i)(A)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
boiler or process heater with design input capacity of 44 megawatts or greater	154.1	265.1088(c)(5)(i)(B)					
boiler or process heater into which vent system is introduced with the primary fuel	154.1	265.1088(c)(5)(i)(C)					
a boiler or process heater burning hazardous waste for which the owner or operator has been issued a final permit and designs and operates the unit in accordance with 266, Subpart H	154.1	265.1088(c)(5)(i)(D)					
a boiler or process heater burning hazardous waste for which the owner or operator has certified compliance with interim status requirements of 266, Subpart H	154.1	265.1088(c)(5)(i)(E)					
owner/operator shall demonstrate performance of each flare in accordance with 265.1033(e)	154.1	265.1088(c)(5)(ii)					
for a performance test, owner/operator shall use test methods & procedures in 265.1034(c)(1)-(4)	154.1	265.1088(c)(5)(iii)					
design analysis shall meet requirements specified in 265.1035(b)(4)(iii)	154.1	265.1088(c)(5)(iv)					

	FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
	owner/operator shall demonstrate that a carbon adsorption system achieves 265.1088(c)(1) performance requirements	154.1	265.1088(c)(5)(v)					
	if owner/operator & Regional Administrator do not agree on a demonstration of control device performance using design analysis, then disagreement shall be resolved using performance test in accordance with 265.1088(c)(5)(iii); Regional Administrator may choose authorized representative to observe the test	154.1	265.1088(c)(6)					
1	INSPECTION AND MONITORING REQUIREMENTS							
	265.1089 applies to an owner or operator using air emission controls in accordance with 265.1085-265.1088	154.1	265.1089(a)					
	each cover shall be visually inspected and monitored for detectable organic emissions using procedures specified in 265.1089(f) except as follows:	154.1	265.1089(b)					
	an owner or operator is exempted from performing a cover inspection and monitoring requirements for the following tank covers:	154.1	265.1089(b)(1)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
a tank internal floating roof that is inspected and monitored in accordance with 265.1091	154.1	265.1089(b)(1)(i)					
a tank external floating roof that is inspected and monitored in accordance with 265.1091	154.1	265.1089(b)(1)(ii)					
if the tank is partially buried or entirely underground, cover inspection and monitoring are required only for those portions of the tank cover and those connections to the tank cover or tank body that extend to or above the ground surface and can be opened to the atmosphere	154.1	265.1089(b)(2)					
an owner or operator is exempted from performing the cover inspection and monitoring requirements for a container that meets all of the requirements in 265.1087(b)(1)(ii) or (iii)	154.1	265.1089(b)(3)					
an owner or operator is exempted from performing the cover inspection and monitoring requirements for an enclosure used to control air emissions	154.1	265.1089(b)(4)					
each closed-vent system shall be inspected and monitored in accordance with 265.1033(j)	154.1	265.1089(c)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
each control device shall be inspected and monitored in accordance with 265.1033(f)(2); inspection of readings from monitoring devices to check control device operation; immediate implementation of necessary corrective measures to ensure compliance with 265.1088	154.1, 154.5	265.1089(d)					
a written plan and schedule shall be developed and implemented to perform all required inspection and monitoring; this plan and schedule shall be incorporated in the facility inspection plan	154.1	265.1089(e)					
inspection and monitoring of a cover shall be performed as follows:	154.1	265.1089(f)					
cover and all cover openings shall be initially visually inspected and monitored for detectable organic emissions on or before the date the tank, surface impoundment, or container becomes subject to the requirements of 265, Subpart CC and at other times requested by the Regional Administrator	154.1	265.1089(f)(1)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
following the initial visual inspection and monitoring, owner or operator shall visually inspect and monitor the cover and each cover opening for detectable organic emissions at least once every 6 months, except for the following cover openings:	154.1	265.1089(f)(2)					
cover opening that has continuously remained in a closed, sealed position since the last inspection and monitoring	154.1	265.1089(f)(2)(i)					
cover opening that is designated as unsafe to inspect and monitor	154.1	265.1089(f)(2)(ii)					
cover opening on a cover installed and placed in operation before December 6, 1994 that is designated as difficult to inspect and monitor	154.1	265.1089(f)(2)(iii)					
to visually inspect a cover, the owner or operator shall view the entire cover surface and each cover opening in a closed, sealed position for evidence of any defect; visible hole, gap, tear, or split in cover surface or opening is defined as a leak which shall be repaired as per 265.1089(f)(7)	154.1	265.1089(f)(3)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
to monitor a cover for detectable organic emissions, the owner or operator shall use the following procedure:	154.1	265.1089(f)(4)					
Method 21, in 40 CFR Part 60, Appendix A to test each cover seal and connection for detectable organic emissions; floating membrane cover seals monitored around entire perimeter at locations no greater than 3 meters apart	154.1	265.1089(f)(4)(i)					
for cover connections and seals, except for seals around a rotating shaft, if monitoring instrument indicates detectable organic emissions, then a leak is detected; each leak shall be repaired	154.1	265.1089(f)(4)(ii)					
for seals around a rotating shaft that passes through a cover opening, if monitoring instrument indicates a concentration reading greater than 10,000 ppmv, then a leak is detected; each leak shall be repaired	154.1	265.1089(f)(4)(iii)					
an owner or operator may designate a cover as unsafe to inspect and monitor if all of the following conditions are met:	154.1	265.1089(f)(5)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
inspection and monitoring of the cover would expose a worker to dangerous, hazardous, or other unsafe conditions	154.1	265.1089(f)(5)(i)					
a written plan and schedule to inspect the cover is developed and the cover is monitored as frequently as practicable during times when a worker can safely access the cover	154.1	265.1089(f)(5)(ii)					
an owner or operator may designate a cover installed and placed in operation before December 6, 1994 as difficult to inspect and monitor if all of the following conditions are met:	154.1	265.1089(f)(6)					
the owner or operator determines that inspection or monitoring requires elevating a worker to a height greater than 2 meters above a support surface	154.1	265.1089(f)(6)(i)					
a written plan and schedule are developed and implemented to inspect and monitor the cover at least once a year, as specified at 265.1089(f)(3)&(4)	154.1	265.1089(f)(6)(ii)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
when a leak is detected by either method specified in 265.1089(f)(3) or (4), the leak shall be repaired in the following manner:	154.1	265.1089(f)(7)					
first attempt to repair the leak shall be performed no later than 5 calendar days after leak is detected; repair shall be completed as soon as practicable but no later than 15 calendar days after leak is detected; if repair cannot be completed within the 15-day period, no hazardous waste shall be added to the tank, surface impoundment, or container until repair is completed	154.1	265.1089(f)(7)(i)					
repair of a leak detected on a cover installed on a tank or surface impoundment may be delayed beyond 15 calendar days if both of the following conditions occur:	154.1	265.1089(f)(7)(ii)					
repair of the leak requires emptying the contents of the tank or surface impoundment, and	154.1	265.1089(f)(7)(ii)(A)					

	FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
	temporary removal of tank or surface impoundment from service will result in the unscheduled cessation of production	154.1	265.1089(f)(7)(ii)(B)					
	repair of a leak, that meets conditions of 265.1089(f)(7)(ii), shall be performed the next time the process, system, or waste management unit that is generating the hazardous waste stops operation for any reason	154.1	265.1089(f)(7)(iii)					
1	RECORDKEEPING REQUIREMENTS							
	owners or operators subject to the requirements of 265, Subpart CC shall record and maintain the following information:	154.1	265.1090(a)					
	documentation for each cover installed on a tank in accordance with 265.1085(b)(2) or (3), that includes information provided by the cover manufacturer or vendor; certification by owner or operator that the cover meets the 265.1091(a) design specifications	154.1, 154.5	265.1090(a)(1)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
documentation for each floating membrane cover installed on a surface impoundment in accordance with 265.1086(c), that includes information provided by the cover manufacturer or vendor; certification by owner or operator that the cover meets the 265.1086(e) design specifications	154.1	265.1090(a)(2)					
documentation for each enclosure used to control air emissions from containers, in accordance with the requirements of 265.1087(b)(2)(i), that includes information provided by the manufacturer or vendor; certification by owner or operator that the cover meets the 265.1087(b)(2)(ii) specifications	154.1	265.1090(a)(3)					
documentation for each closed-vent system and control device installed in accordance with the requirements of 265.1088 that includes the information specified at 265.1090(a)(4)(i)-(iv)	154.1	265.1090(a)(4)					
	154.1	265.1090(a)(4)(i)					
	154.1	265.1090(a)(4)(ii)					
	154.1	265.1090(a)(4)(iii)					
	154.1	265.1090(a)(4)(iv)					
records for all Method 27 tests performed for each container used to meet the requirements of 265.1087(b)(1)(iii)	154.1	265.1090(a)(5)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
records for all visual inspections	154.1	265.1090(a)(6)					
records for all monitoring for detectable organic emissions	154.1	265.1090(a)(7)					
records of the date of each attempt to repair a leak, repair methods applied, and the date of successful repair	154.1	265.1090(a)(8)					
records for all continuous monitoring conducted	154.1	265.1090(a)(9)					
records of the management of carbon removed from a carbon adsorption system	154.1	265.1090(a)(10)					
records for all inspections of each cover installed on a tank	154.1	265.1090(a)(11)					
an owner or operator electing to use air emission controls for a tank shall record the following information:	154.1	265.1090(b)					
date and time each waste sample is collected for direct measurement of maximum organic vapor pressure	154.1	265.1090(b)(1)					
results of each determination of maximum organic vapor pressure in a tank	154.1	265.1090(b)(2)					
records specifying the tank dimensions and design capacity	154.1	265.1090(b)(3)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
an owner or operator electing to use air emission controls for a tank shall record the information as required by 265.1091(c)	154.1	265.1090(c)					
an owner or operator electing not to use air emission controls for a particular tank, surface impoundment, or container shall record information used for each waste determination in the facility log; if analysis results for waste samples are used for the waste determination, then information regarding the date, time and location of sample collection shall be recorded	154.1	265.1090(d)					
an owner or operator electing to comply with 265.1083(c)(2)(vi) or (vii) shall record the identification number for the incinerator, boiler, or industrial furnace used to treat the hazardous waste	154.1, 154.5	265.1090(e)					
an owner or operator designating a cover as unsafe or difficult to inspect and monitor shall record the following information in a log that is kept in the facility operating record:	154.1	265.1090(f)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
a list of identification numbers for the tanks with covers that have been designated as unsafe to inspect and monitor in accordance with 265.1089(f)(5); an explanation stating why the cover is unsafe; and a plan and schedule for inspecting and monitoring each cover	154.1	265.1090(f)(1)					
a list of identification number for tanks with covers that have been designated as difficult to inspect and monitor in accordance with 265.1089(f)(6); an explanation stating why the cover is difficult to inspect and monitor, and a plan and schedule for inspecting and monitoring each cover	154.1	265.1090(f)(2)					
all records required by 265.1090(a)-(f), except 265.1090(a)(1)-(4), shall be maintained in the operating record for a minimum of 3 years; records required by paragraphs (a)(1)-(4) shall be maintained until the air emission control equipment is replaced or no longer in service	154.1	265.1090(g)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
owners or operators subject to the requirements of 265, Subpart CC and to the control device standards in 40 CFR Part 60, Subpart VV or 40 CFR 61, Subpart V may elect to demonstrate compliance by documentation pursuant to either 265, Subpart CC or to the provisions of 40 CFR Part 60, Subpart VV or 40 CFR 61, Subpart V, to the extent that such documentation duplicates the documentation required by 265.1090	154.1	265.1090(h)					
in accordance with the conditions specified in 265.1080(d), for each tank or container not using air emissions controls specified in 265.1085 through 265.1088, the owner or operator shall record and maintain the following information:	154.3	265.1090(i)					
a list of individual organic peroxide compounds manufactured at the facility that meet the conditions specified in 265.1080(d)(1)	154.3	265.1090(i)(1)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
a description of how the hazardous waste containing the organic peroxide compounds identified in 265.1090(i)(1) are managed in the tanks and containers; the description shall include:	154.3	265.1090(i)(2)					
for tanks, sufficient information shall be provided to describe for each tank: a facility tank identification number, purpose and placement of the tank in the management train of this hazardous waste, and procedures used to ultimately dispose of the hazardous waste managed in the tanks	154.3	265.1090(i)(2)(i)					
for containers, sufficient information shall be provided to describe: a facility container identification number for each container or group of containers, purpose and placement of container(s) in the management train of this hazardous waste, and procedures used to ultimately dispose of the hazardous waste managed in the container(s)	154.3	265.1090(i)(2)(ii)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
an explanation of why managing the hazardous waste containing the organic peroxide compounds identified in 265.1090(i)(1) in the tanks or containers described in 265.1090(i)(2) would create an undue safety hazard if specified air emission controls are installed and operated on these waste management units; the explanation shall include the following information:	154.3	265.1090(i)(3)					
for tanks, sufficient information to explain how the use of the required air emission controls would affect the tank design features and the facility operating procedures currently used to prevent an undue safety hazard, and why installation of safety devices on the required air emission controls will not address those situations in which evacuation of tanks equipped with such controls is necessary and consistent with good engineering and safety practices	154.3	265.1090(i)(3)(i)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
for containers, sufficient information to explain how the use of the required air emission controls would affect the container design features and handling procedures currently used to prevent an undue safety hazard, and why installation of safety devices on the required air emission controls allowed under 265.1087(d) will not address those situations in which evacuation of containers equipped with such controls is necessary and consistent with good engineering and safety practices	154.3	265.1090(i)(3)(ii)					
1 ALTERNATIVE TANK EMISSIONS CONTROL REQUIREMENTS							
265.1091 applies to owners and operators of tanks electing to comply with 265.1085(b)(2) or (3)	154.1	265.1091(a)					
an owner or operator electing to comply with 265.1085(b)(2) shall design, install, operate, and maintain a fixed roof and internal floating roof that meet the following requirements:	154.1	265.1091(a)(1)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
the fixed roof shall comply with the requirements of 265.1085(d)(1); the internal floating roof shall rest or float on the waste surface inside a tank that has a fixed roof; the internal floating roof shall be on the waste surface at all times except during initial fill and when the tank is completely emptied and then refilled; when the roof is resting on leg supports, filling, emptying, or refilling shall be as continuous as possible based on amount and nature of waste handling operation	154.1, 154.5	265.1091(a)(1)(i)					
each internal floating roof shall be equipped with one of the following closure devices between tank wall and edge of the internal floating roof:	154.1	265.1091(a)(1)(ii)					
a foam- or liquid-filled seal mounted in contact with the waste; what a "liquid- mounted seal" means	154.1	265.1091(a)(1)(ii)(A)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
two seals mounted one above the other so that each forms a continuous closure between tank wall and edge of internal floating roof; lower seal may be vapor-mounted but both shall be continuous	154.1	265.1091(a)(1)(ii)(B)					
a mechanical shoe seal; what "mechanical shoe seal" means	154.1	265.1091(a)(1)(ii)(C)					
each opening in a noncontact internal floating roof, excluding the listed exceptions, is to provide a projection below the waste surface	154.1	265.1091(a)(1)(iii)					
each opening in the internal floating roof, excluding the listed exceptions, is to be equipped with a cover or lid which is to be maintained in a closed position at all times	154.1	265.1091(a)(1)(iv)					
automatic bleeder vents shall be equipped with a gasket and are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports	154.1	265.1091(a)(1)(v)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
rim space vents shall be equipped with a gasket and are to be set to open only when the internal floating roof is not floating or at manufacturer's recommended setting	154.1	265.1091(a)(1)(vi)					
each penetration of the internal floating roof for the purpose of sampling shall be a sample well; slit fabric cover required	154.1	265.1091(a)(1)(vii)					
each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover	154.1	265.1091(a)(1)(viii)					
each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover	154.1	265.1091(a)(1)(ix)					
the owner or operator electing to comply with 265.1085(b)(3) shall design, install, operate, and maintain an external floating roof that meets the following requirements:	154.1	265.1091(a)(2)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
each external floating roof shall be equipped with a closure device between the tank wall and the roof edge; the closure device consists of two seals, a primary and a secondary seal	154.1	265.1091(a)(2)(i)					
the primary seal shall be either a mechanical shoe seal or liquid-mounted seal; what the seal shall cover	154.1	265.1091(a)(2)(i)(A)					
the secondary seal shall completely cover the annular space between the external floating roof and the tank wall in a continuous fashion, except as 265.1091(b)(2)(iv) allows	154.1	265.1091(a)(2)(i)(B)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the waste surface; except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, each opening in the roof is to be equipped with a gasketed cover, seal, or lid that is maintained in a closed position at all times except when device is in actual use; automatic bleeder vents are to be closed at all times when the roof is floating; rim vents are to be set to open when the roof is being floated off; automatic bleeder vents and rim space vents are to be gasketed; each emergency roof drain is to be provided with a slotted membrane fabric cover	154.1	265.1091(a)(2)(ii)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
the roof shall be floating on the waste at all times except during initial fill and when the tank is completely emptied and then refilled; when the roof is resting on leg supports, the filling, emptying, or refilling process shall be continuous and accomplished as rapidly as possible	154.1	265.1091(a)(2)(iii)					
the owner or operator may elect to comply with 265.1085(b)(2) or (3) using an alternative means of emission limitation for which a Federal Register notice has been published, as specified	154.1	265.1091(a)(3)					
monitoring and inspection of control equipment shall be conducted as follows:	154.1	265.1091(b)					
after installation, the owners and operators of internal floating roofs shall:	154.1	265.1091(b)(1)					
visually inspect the internal floating roof, the primary and the secondary seals; if there are holes, tears, or other openings, these shall be repaired before filling the tank	154.1	265.1091(b)(1)(i)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
for tanks equipped with a liquid-mounted or mechanical shoe primary seal, the internal floating roof and the primary or secondary seal shall be visually inspected at least once very 12 months after the initial fill; if internal floating roof is not resting on the surface of the waste inside the tank, or there is liquid on the roof, or the seal is detached, or there are holes or tears in the seal fabric, these items shall be repaired or the tank shall be emptied and removed from service within 45 days; if failure is detected which cannot be repaired within 45 days and if the tank cannot be emptied within 45 days, a 30-day extension may be requested from the Regional Administrator; what request must include	154.1	265.1091(b)(1)(ii)					
for tanks equipped with a double-seal system as specified in 265.1091(a)(1)(i)(B):	154.1	265.1091(b)(1)(iii)					
visually inspect the tank as specified in 265.1091(b)(1)(iv) at least every 5 years	154.1	265.1091(b)(1)(iii)(A)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
visually inspect the tank as specified in 265.1091(b)(1)(ii)	154.1	265.1091(b)(1)(iii)(B)					
visually inspect the internal floating roof, the primary and secondary seals, gaskets, slotted membranes, and sleeve seals each time the tank is emptied and degassed; if internal floating roof has defects, the primary or secondary seal has holes, tears, or other openings in the seal or seal fabric, or the gaskets no longer close off the waste surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, these items shall be repaired before refilling the tank with waste; specified time intervals for inspections	154.1	265.1091(b)(1)(iv)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
notify the Regional Administrator in writing at least 30 days prior to the filling or refilling of the tank for which an inspection is required by 265.1091(b)(1)(i) and (iv); if inspection is required by 265.1091(b)(1)(iv) is not planned and the owner or operator could not have known about the inspection 30 days in advance of the refilling, the Regional Administrator shall be notified at least 7 days prior to refilling; notification shall be made by telephone immediately followed by written documentation; alternatively, notification and written documentation may be sent by express mail so that it is received by the Regional Administrator at 7 days prior to refilling	154.1	265.1091(b)(1)(v)					
after installation, the owner or operator of an external floating roof shall:	154.1	265.1091(b)(2)					
determine the gap areas and maximum gap widths between the primary seal and the tank wall and between the secondary seal and the tank wall according to the following frequency:	154.1	265.1091(b)(2)(i)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
measurements of gaps between tank wall and primary seal shall be performed during hydrostatic testing or within 60 days of the initial fill and at least once every 5 years thereafter	154.1	265.1091(b)(2)(i)(A)					
measurements of gaps between tank wall and secondary seal shall be performed within 60 days of the initial fill and at least once every year thereafter	154.1	265.1091(b)(2)(i)(B)					
if the tank ceases to hold waste for a period of 1 year or more, introduction of waste into the tank thereafter shall be considered an initial fill	154.1	265.1091(b)(2)(i)(C)					
determine gap widths and areas in the primary and secondary seals individually using the following procedures:	154.1	265.1091(b)(2)(ii)					
measure seal gaps at one or more floating roof levels when the roof is floating off the leg supports	154.1	265.1091(b)(2)(ii)(A)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
measure seal gaps around the entire circumference of the tanks where a 0.32-cm diameter uniform probe passes freely between the seal and the tank wall and measure the circumferential distance of each such location	154.1	265.1091(b)(2)(ii)(B)					
determine total surface area of each gap using probes of various widths to measure accurately the actual distance from the tank wall to the seal and multiply each such width by its respective circumferential distance	154.1	265.1091(b)(2)(ii)(C)					
add the gap surface area of each gap location for the primary and secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to respective standards in 265.1091(b)(2)(iv)	154.1	265.1091(b)(2)(iii)					
make necessary repairs or empty the tank within 45 days of identification if the following is not met:	154.1	265.1091(b)(2)(iv)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
the accumulated area of gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal shall not exceed 212 cm^2 per meter of tank diameter and the width of any portion of any gap shall not exceed 3.81 cm	154.1	265.1091(b)(2)(iv)(A)					
one end of the mechanical shoe is to extend into the waste contained in the tank; the other end is to extend a minimum vertical distance of 61 cm above waste surface	154.1	265.1091(b)(2)(iv)(A)(*1*)					
there are no holes, tears, or other openings in the shoe, seal fabric or seal envelope	154.1	265.1091(b)(2)(iv)(A)(*2*)					
the second seal is to meet the following requirements:	154.1	265.1091(b)(2)(iv)(B)					
installed above the primary seal so that it completely covers the space between the roof edge and the tank wall, except as 265.1091(b)(2)(ii)(C) provides	154.1	265.1091(b)(2)(iv)(B)(*1*)					
the accumulated area of gaps between the tank wall and the secondary seal shall not exceed 21.2 cm^2 per meter of tank diameter; the width of any portion of any gap shall not exceed 1.27 cm	154.1	265.1091(b)(2)(iv)(B)(*2*)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
there are no holes, tears, or other openings in the seal or seal fabric	154.1	265.1091(b)(2)(iv)(B)(*3*)					
if a failure that is detected during inspections cannot be repaired within 45 days and if the tank cannot be emptied within 45 days, a 30-day extension may be requested from the Regional Administrator; what request must include	154.1	265.1091(b)(2)(v)					
notify the Regional Administrator 30 days in advance of any gap measurements to provide the Regional Administrator the opportunity to have an observer present	154.1	265.1091(b)(2)(vi)					
visually inspect the external floating roof, the primary and secondary seals, and fittings each time the vessel is emptied and degassed	154.1	265.1091(b)(2)(vii)					
if the external floating roof has defects, the primary or secondary seal has holes, tears or other openings in the seal or seal fabric, these items shall be repaired before filling or refilling the tank with waste	154.1	265.1091(b)(2)(vii)(A)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
for all inspections required by 265.1091(b)(2)(vii), the owner or operator shall notify the Regional Administrator in writing at least 30 days prior to the filling or refilling of each tank; if inspection required by 265.1091(b)(2)(vii) is not planned and the owner or operator could not have known about the inspection 30 days in advance of the refilling, the Regional Administrator shall be notified at least 7 days prior to refilling; notification shall be made by telephone immediately followed by written documentation of why inspection was unplanned; alternatively, notification and written documentation may be sent by express mail so that it is received by the Regional Administrator at least 7 days prior to refilling	154.1	265.1091(b)(2)(vii)(B)					
owners and operators who elect to install and operate the control equipment in 265.1091(a) shall include the following information in the operating record:	154.1	265.1091(c)					
internal floating roof	154.1	265.1091(c)(1)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
documentation that describes the control equipment design and certifies that this equipment meets the specifications of 265.1091(a)(1) and (b)(1)	154.1	265.1091(c)(1)(i)					
records of each inspection performed; each record shall identify the tank that was inspected, the date it was inspected, and observed condition of each component of the control equipment	154.1	265.1091(c)(1)(ii)					
if any of the conditions described in 265.1091(b)(1)(ii) are detected during the annual visual inspection, the records shall identify the tank, the nature of the defects, the date the tank was emptied or the nature of and date of the repair	154.1	265.1091(c)(1)(iii)					
after each inspection that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects, the records shall identify the tank, the reason it did not meet required specifications, and describe each repair	154.1	265.1091(c)(1)(iv)					
external floating roof	154.1	265.1091(c)(2)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
documentation that describes the control equipment design and certifies that this equipment meets the specifications of 265.1091(a)(2)& (b)(2)(ii)-(iv)	154.1	265.1091(c)(2)(i)					
records of each gap measurement performed; each record shall identify the tank that was measured, the date it was measured, the raw data obtained in the measurement, and the calculations described in 265.1091(b)(2)(ii)& (iii)	154.1	265.1091(c)(2)(ii)					
records for each seal gap measurement that detects gaps exceeding the limitations specified by 265.1091(b)(2)(iv) that identifies the tank, the date the tank was emptied or the repairs made, and the nature of the repair	154.1	265.1091(c)(2)(iii)					
SUBPART DD - CONTAINMENT BUILDINGS							
APPLICABILITY							

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
applies to owners/operators storing or treating hazardous waste in units designed and operated under 265.1101; effective February 18, 1993, but may notify Regional Administrator of earlier time; not subject to definition of land disposal in RCRA 3004(k) provided unit:	109	265.1100					
is a completely enclosed, self supporting structure designed and constructed as specified	109	265.1100(a)					
has a primary barrier designed to withstand movement of personnel and handling equipment within unit	109	265.1100(b)					
if used to manage liquids:	109	265.1100(c)					
primary barrier designed and constructed to prevent migration of hazardous constituents into barrier	109	265.1100(c)(1)					
liquid collection system to minimize accumulation of liquid on primary barrier	109	265.1100(c)(2)					

	FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
	secondary containment system to prevent hazardous constituent migration into barrier; leak detection and liquid collection as specified; variance under 265.1101(b)(4)	109	265.1100(c)(3)					
5	controls to prevent fugitive dust emissions	109	265.1100(d)					
	designed and operated to ensure containment and prevent tracking of materials from unit by personnel or equipment	109	265.1100(e)					
	DESIGN AND OPERATING STANDARDS							
	all containment buildings must comply with following design standards:	109	265.1101(a)					
	completely enclosed as specified	109	265.1101(a)(1)					
	design and construction of floor, containment walls and secondary containment system; unit of sufficient structural strength to prevent collapse or failure; chemically compatible surfaces; standards for judging structural integrity requirements; when exception for light-weight doors and windows will apply:	109	265.1101(a)(2)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
provide effective barrier against fugitive dust emissions under 265.1101(c)(1)(iv)	109	265.1101(a)(2)(i)					
unit designed and operated so that wastes do not contact openings	109	265.1101(a)(2)(ii)					
no placement of incompatible wastes or treatment reagents that could cause unit or secondary containment system to leak, corrode or otherwise fail	109	265.1101(a)(3)					
must have primary barrier designed to withstand movement of personnel, waste and handling equipment in unit during unit operating life, as appropriate for waste characteristics	109	265.1101(a)(4)					
requirements for hazardous waste containing free liquids or treated with free liquids:	109	265.1101(b)					
primary barrier to prevent migration of hazardous constituents into the barrier	109	265.1101(b)(1)					
liquid collection and removal system to prevent accumulation of liquid on primary barrier:	109	265.1101(b)(2)					
primary barrier sloped to drain liquids to collection system	109	265.1101(b)(2)(i)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
liquids and waste collected and removed to minimize hydraulic head on containment system at earliest practicable time to protect human health and environment	109	265.1101(b)(2)(ii)					
secondary containment system to prevent hazardous constituent migration into barrier; leak detection and liquid collection as specified	109	265.1101(b)(3)					
what must be installed at a minimum to satisfy leak detection component of secondary containment system	109	265.1101(b)(3)(i)					
construct with 1% or greater bottom slope	109	265.1101(b)(3)(i)(A)					
granular, synthetic, or geonet drainage materials as specified	109	265.1101(b)(3)(i)(B)					
if treatment conducted in building, treatment area designed to prevent releases to other portions of building	109	265.1101(b)(3)(ii)					
secondary containment construction materials specifications; requirements for use of containment building as tank secondary containment system	109	265.1101(b)(3)(iii)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
for existing units other than 90-day generator units, Regional Administrator delay of secondary containment requirement if demonstrated that unit substantially meets Subpart DD standards; for demonstration, owner/operator must:	109	265.1101(b)(4)					
provide written notice by February 18, 1993; what notice must contain	109	265.1101(b)(4)(i)					
respond to Regional Administrator comments within 30 days	109	265.1101(b)(4)(ii)					
if approved, fulfill terms of revised plans	109	265.1101(b)(4)(iii)					
owners and operators of all containment buildings must:	109	265.1101(c)					
use controls and practices to ensure containment of hazardous waste within unit; at a minimum:	109	265.1101(c)(1)					
maintain primary barrier as specified	109	265.1101(c)(1)(i)					
maintain level of stored/treated hazardous waste as specified	109	265.1101(c)(1)(ii)					
take measures to prevent tracking of hazardous waste out of unit; equipment decontamination area; rinsate collection and management	109	265.1101(c)(1)(iii)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
take measures to control fugitive dust emissions; maintain particulate collection devices as specified; when "no visible emissions" must be maintained	109	265.1101(c)(1)(iv)					
certification by qualified registered professional engineer; for units in operation prior to February 18, 1993, certification placed in operating record or on-site files no later than 60 days after date of initial operation; after February 18, 1993, PE certification required prior to operation of unit	109	265.1101(c)(2)					
prompt repairs of unit throughout active life, according to the following procedures:	109	265.1101(c)(3)					
detection of condition that has led to a release; leakage from primary barrier; owner or operator must:	109	265.1101(c)(3)(i)					
enter record of discovery in facility operating record	109	265.1101(c)(3)(i)(A)					
immediately remove portion of containment building affected by the condition from service	109	265.1101(c)(3)(i)(B)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
determine steps to be taken for repair; remove leakage from secondary collection system and establish schedule for cleanup and repairs	109	265.1101(c)(3)(i)(C)					
within 7 days, notify Regional Administrator of condition; within 14 working days, provide written notice to Regional Administrator; what written notice must include	109	265.1101(c)(3)(i)(D)					
Regional Administrator must review notice, determine extent to which unit must be removed from service during repairs, and notify owner/operator of determination and rationale in writing	109	265.1101(c)(3)(ii)					
written notification of Regional Administrator on completion of repair and cleanup; verification by a qualified, registered professional engineer that repairs and cleanup are in compliance with 265.1101(c)(3)(i)(D) plan	109	265.1101(c)(3)(iii)					
what must be inspected and recorded in facility's operating records, at least once every seven days	109	265.1101(c)(4)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
for containment building that contains both areas with and without secondary containment, the owner/operator must:	109	265.1101(d)					
design and operate each area in accordance with 265.1101(a)-(c) requirements	109	265.1101(d)(1)					
take measures to prevent release of liquids or wet materials into areas without secondary containment	109	265.1101(d)(2)					
maintain in facility's operating log a written description of operating procedures used to maintain integrity of areas without secondary containment	109	265.1101(d)(3)					
Regional Administrator waiver of secondary containment requirements; what owner/operator must demonstrate	109	265.1101(e)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
CLOSURE AND POST-CLOSURE CARE							
what must be done at closure; closure plan, closure activities, cost estimates, and financial responsibility must meet all 265 Subparts G & H requirements	109	265.1102(a)					
if 265.1102(a) requirements met and not all contaminated soils can be removed or decontaminated, close facility and perform post-closure care as for landfill under 265.310; owner/operator must meet 265 Subparts G & H requirements for landfills	109	265.1102(b)					
reserved	109	265.1103-265.1110					
APPENDIX I TO PART 265							
RECORDKEEPING INSTRUCTIONS							
instructions for keeping portions of the operating record	*,131	Appendix I					
APPENDIX III TO PART 265							
EPA INTERIM PRIMARY DRINKING WATER STANDARDS							
table of parameters and maximum levels	*	Appendix III					
APPENDIX IV TO PART 265							
TESTS FOR SIGNIFICANCE							
background information on use of Student's t-test	*	Appendix IV					
APPENDIX V TO PART 265							

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
EXAMPLES OF POTENTIALLY INCOMPATIBLE WASTE							
lists of wastes and potential consequences of mixing	*	Appendix V					

1 Subpart CC was added by rule 154.1 and revised by rules 154.2 through 154.6. See the prenote for this checklist regarding State adoption of Revision Checklist 154.

2 At 265.1080(a), there is a typographical error in Rule 154.1 (December 6, 1994; 59 FR 62896): "subparts" should be "subpart".

3 The CFR contains a printing error which has 265.1082(c) printed as part of the 265.1082(b)(2)(iii) paragraph. A typographical insert of "I11" precedes the paragraph (c) indicator and should be removed and a new paragraph begun at "(c)".

4 Note there is an error in 265.1088(c)(3)(ii). Rule 154.5 (February 9, 1996; 61 FR 4903) replaced "§ 265.1033(l)" with "§ 265.1033(m)". It is likely the reference to 265.1033(m) should be to 265.1033(l) because there is no 265.1033(m).

5 There is an error in the Federal Register article for Revision Checklist 109 (57 FR 37194; August 18, 1992). The phrase "as needed to permit" should read "as needed to prevent."